JULY 3.

Mr. THOMAS MEEHAN, Vice-President, in the chair.

Ten persons present.

Note on Mazapilite, a new species.—Prof. GEO. A. KOENIG announced the occurrence of this mineral at Zacatecas, Mexico, in the mineral district of Mazapil. The crystals are well developed in all directions. They are of orthorhombic symmetry exhibiting a flat prism in combination with a brachy dome and a pyramid. The color is deep brown red, nearly black, but transparent at the edges. The hardness is nearly 7, its streak greenish yellow. The specific gravity 3·567. In closed tube a white crystalline sublimate is produced ($As^2 O^3$) and water, while the powder turns dark brown. B. B. fuses at 3 to a black globule. On charcoal the odor of arsenic is observed. With borax only iron reaction. Easily soluble in in warm HCl. A preliminary analysis proves the mineral to be a *calcium ferric arsenite.* The structural formula must be made the subject of a more thorough investigation, which the speaker proposes to carry out in the fall. This mineral is the first representative of the class of pure arsenites in nature and is therefore of marked interest. For the material the author is indebted to the indefatigable zeal of Dr. F. A. Foote, who is now in Mexico.

The following was ordered to be printed:—